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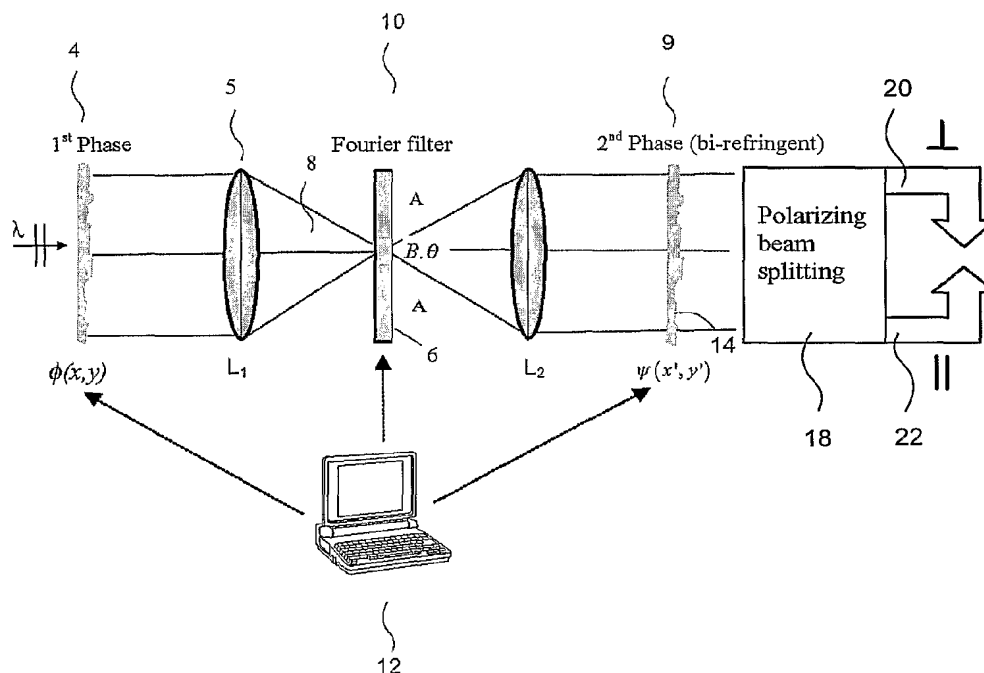
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(54) Title: GENERATION OF A DESIRED THREE-DIMENSIONAL ELECTROMAGNETIC FIELD



(57) Abstract: The present invention relates to a method and a system for synthesizing a prescribed three-dimensional electromagnetic field based on generalized phase contrast imaging. Such a method and apparatus may be utilized in advanced optical micro and nano-manipulation, such as by provision of a multiple-beam optical tweezer.

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